



TEREX® | FINLAY



IC-100RS

IC-100RS IMPACT CRUSHER

SPECIFICATION:

Rotor Size:

Net Power:

Tier 3 / Stage IIIA:

Tier 4F / Stage IV:

Stage V:

Portability:

Operating Weight:

Ø860mm x 830mm (Ø34" x 33")

John Deere 6068 194kW (260hp)

Volvo 205kW (275hp)

Volvo 205kW (275hp)

Tracked

29,300kg* (64,595lbs*)

**Constant speed with single pole magnet*

SPECIFICATION

HOPPER / FEEDER

Hopper capacity: 2.6m³ (3.4yd³)

Feed height: 3.0m (9' 10")

Material: 10mm (3/8") thick wear resistant steel

Width at rear: 2m (6' 7")

Screen area: 1080 x 810mm (3' 7" x 2' 8")

Punch plate: 40mm (1.5") as standard

Speed variable

IMPACT CHAMBER

Rotor diameter: Ø860mm (34")

Rotor width: 830mm (33")

Inlet opening: 860mm x 610mm (34" x 24")

Rotor Tip speed: 34-41m/s

Rotor speed Range: 750-900RPM

Maximum Feed Size: 400mm³ (16in³) / 700mm (28") diagonally / 750 x 450 x 200mm slab

Drive arrangement: Direct drive via clutch

Twin Apron

Maximum apron settings: Primary 120mm Secondary 55mm

Minimum apron settings: Primary 40mm Secondary 20mm

Rotor Configuration: 4 bar rotor (2 High / 2 Low as standard)

Hydraulic overload protection

Hydraulic apron setting assist

Blowbar Options:

Martensitic (standard)

Martensitic ceramic

High chrome

Toughened high chrome

MAIN CONVEYOR

Belt Width: 900mm (36")

Belt Spec: EP500/3, 8+2 (Steel wire breaker ply)

Full length main conveyor with impact bars at feed point

Folding head section for transport

Main conveyor can be lowered hydraulically for maintenance

Dust suppression: fitted with hose and spray bars as standard (no pump supplied)

Discharge Height: 3m (9' 10")

POWERPACK

Tier 3 / Stage IIIA: John Deere 6068 Constant Speed Engine

Engine Power: 194kW (260hp)

Engine Speed: 1500 - 1800 rpm

Tier 4F / Stage IV: Volvo

Engine Power: 205kW (275hp)

Engine Speed: 1500 - 1800rpm variable

Stage V: Volvo

Engine Power: 205kW (275hp)

Engine Speed: 1500 - 1800rpm variable

TANK CAPACITIES

Hydraulic Tank: 260L litres / 57 UK gal / 69 US gal

Fuel Tank: 300 litres / 65 UK gal / 79 US gal

SCREEN BOX

Top deck: 2.44m x 1.2m (8' x 4') single deck screen

Tensioning top deck: Side tensioned mesh

Drive: Hydraulic Motor

Screen Angle: :25°

Screen lowers to a horizontal position for mesh changing and general service access

Complete RS system can be quickly detached if not required

Total screening area: 2.93m² (32ft²)

TRANSFER CONVEYOR

Belt width: 500mm (20")

Belt spec: EP500/3, 5 + 1.5

RE-CIRCULATING CONVEYOR

Belt width: 500mm (20")

Belt spec: EP315/3 3+1.5 with 15mm cleats

Discharge Height: 3.1m (10' 4") discharge height in stockpile mode

Conveyor can be hydraulically rotated between recirculation mode and stockpile mode

FINES CONVEYOR

Belt width: 1000mm (40")

Belt spec: EP500/3, 5 + 1.5

Discharge Height: 2.5m (8' 2")

BY-PASS CONVEYOR - OPTIONAL

Belt Width: 500mm (20")

Belt Spec: EP500/3, 3.5 + 1.5

Discharge Height: 2.4m (7' 10")

Hydraulically folds for transport

UNDERCARRIAGE

Shoe Width: 400mm (16")

Sprocket Centres: 2.95m (9' 8")

Track Speed: 2 speed motor as standard

Gradeability: 30°

CONTROL SYSTEMS

Simple Intuitive Control System

Fitted with Terex Finlay T-Link telemetry system c/w 7 years data subscription

STANDARD FEATURES

ENGINE:

Tier 3 / Stage IIIA Constant speed: John Deere 6068 194kW (260hp)

Stage V: Volvo D8 194kW (281hp)

Tier 4F / Stage IV: Volvo 205kW (275hp)

Hinged cooling pack to aid maintenance

IMPACT CHAMBER:

Terex CR004 Impact chamber c/w full hydraulic apron setting

4 bar rotor - 2 full high Martensitic and 2 low manganese blow bars

Direct Drive via Clutch

Blow bar lifting tool supplied

HOPPER / FEEDER:

VGF fixed hopper

Stepped grizzly feeder with integral pre-screen, standard punch plate 40mm

Selectable discharge to by-pass conveyor or main conveyor

MAIN CONVEYOR:

Belt width: 900mm (36") wide full length belt

RS COMPONENTS:

8'X4' Single Deck Screen - supplied with 40mm mesh as standard unless otherwise stated

Fines Conveyor 1000mm belt - hydraulically folding for transport

Transfer Conveyor 500mm belt - Hydraulically folding for transport

Recirculating Conveyor 500mm Belt - Hydraulically folding for transport

Rapid detach after screen system for flexibility

AUXILIARY CONVEYORS:

Piped for overband magnet

CLIMATE SPEC:

Standard Oils - (Recommended for ambient temperatures between -5 to +30°C)

DUST SUPPRESSION:

Piped for dust suppression c/w Spraybars

ELECTRICAL:

Emergency stops

Hand Held Track Control Set with Connection Lead

T-Link telemetry system fitted c/w 7 years data subscription

GENERAL:

Safety Guards in Compliance with Machinery Directive

Dual speed tracking

OPTIONAL EQUIPMENT

Rotor fitted with 2 full high chrome and 2 low manganese blow bars

Rotor fitted with 2 full high ceramic and 2 low manganese blow bars

Rotor fitted with 4 full martensitic blow bars

Rotor fitted with 4 full high chrome blow bars

Rotor fitted with 4 high ceramic blow bars

Blow bar removal tool

Blow bar gantry

Blow bar storage rack for 2 additional blowbars (note: blowbars not included)

Please contact the sales department for blowbar options

VGF optional grizzly spacing - 45mm, 60mm (Please specify aperture)

VGF optional punch plate spacing - 50mm & 60mm

Blanking plate cassette

Bolt on protector plates to further improve side panel protection (note: increases transport width unless removed)

Belt weigher on main conveyor

Removable Aluminium Dust Covers

By-pass conveyor- 500mm beltwidth

Single pole magnet c/w magnet, hosing and mounting chains

Twin pole magnet c/w magnet, hosing and mounting chains

Hot climate oils - (Recommended for ambient temperatures between +15 to +50°C)

Cold climate oils - (Recommended for ambient temperatures between -20 to +30°C)

Water pump for dust suppression

Radio remote system

Lighting mast (check leadtime)

Electric Refueling Kit

Impact chamber

- ▶ Rotor diameter: Ø860mm (34")
- ▶ Rotor width: 830mm (33")
- ▶ Inlet opening: 860mm x 610mm (34" x 24")
- ▶ Rotor Tip speed: 34-41m/s
- ▶ Rotor speed Range: 750-900RPM
- ▶ Maximum Feed Size: 400mm³ (16in³) / 700mm (28") diagonally / 750 x 450 x 200mm slab
- ▶ Drive arrangement: Direct drive via clutch
- ▶ Twin Apron

Hopper / Feeder

- ▶ Hopper capacity: 2.6m³ (3.4yd³)
- ▶ Feed height: 3.0m (9' 10")
- ▶ Material: 10mm (3/8") thick wear resistant steel
- ▶ Width at rear: 2m (6' 7")
- ▶ Screen area: 1080 x 810mm (3' 7" x 2' 8")
- ▶ Punch plate: 40mm (1.5") as standard
- ▶ Speed variable

Powerpack

- ▶ Tier 3 / Stage IIIA: John Deere 6068 Constant Speed
Engine Power: 194kW (260hp)
Engine Speed: 1500-1800 rpm
- ▶ Tier 4F / Stage IV: Volvo
Engine Power: 205kW (275hp)
Engine Speed: 1500 - 1800rpm variable
- ▶ Stage V: Volvo
Engine Power: 205kW (275hp)
Engine Speed: 1500 - 1800rpm variable

By-pass conveyor (optional)

- ▶ Belt Width: 500mm (20")
- ▶ Belt Spec: EP500/3, 3.5 + 1.5
- ▶ Discharge Height: 2.4m (7'-10")
- ▶ Hydraulically folds for transport

Main conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Belt Spec: EP500/3, 8+2 (Steel wire breaker ply)
- ▶ Full length main conveyor with impact bars at feed point
- ▶ Folding head section for transport
- ▶ Main conveyor can be lowered hydraulically for maintenance
- ▶ Discharge Height: 3m (9' 10")

Magnet (optional)

TRANSPORT DIMENSIONS

Transport width: 2.55 m (8' 1")

Transport height: 3.0m (9' 10")

Transport length: 13.32m (43' 9")

Weight: 29,300kg* (64,595lbs*) *Constant speed with single pole magnet

29,100kg* (64,155lbs*) *Tier 4 with single pole magnet.

Re-circulating conveyor

- ▶ Belt Width: 500mm (20")
- ▶ Belt Spec: EP315/3 3+1.5 with 15mm cleats
- ▶ Discharge Height: 3.1m (10' 4") in stockpile mode

Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 2.95m (9' 8")
- ▶ Track Speed: 2 speed motor as standard
- ▶ Gradeability: 30°

Fines Conveyor

- ▶ Belt Width: 1000mm (40")
- ▶ Belt Spec: EP500/3, 5 + 1.5
- ▶ Discharge Height: 2.5m (8' 2")

Screenbox

- ▶ Top Deck: 2.44m x 1.2m(8' x 4') single deck screen
- ▶ Tensioning top deck: Side tensioned mesh
- ▶ Drive: Hydraulic motor
- ▶ Screen Angle: 25°

